

SunGen® Global XLPE/LSZH XLPO, Photovoltaic Wire,

EN 50618, H1Z2Z2-K 1500Vdc,
UL 4703, 2000 V PV Wire



Product Construction:

Conductor:

- 2,5 mm² (14 AWG) thru 10,0 mm² (8 AWG) fully annealed flexible stranded tinned copper with Class 5 stranding per EN 60228 (IEC 60228)

Composite Insulation/Jacket (Sheath):

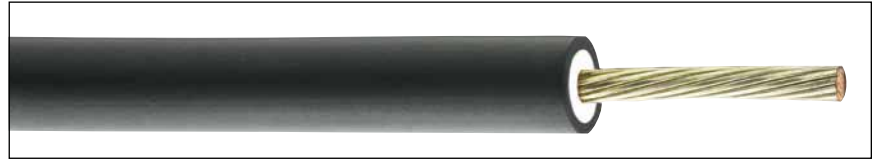
- Zero-Halogen Cross-linked Polyethylene (ZH XLPE) with black Low-Smoke, Zero-Halogen Cross-Linked Polyolefin (LSZH XLPO)

Print:

- GENERAL CABLE® (PLANT OF MFG) SUNGEN® GLOBAL H1Z2Z2-K XX MM² [XX AWG] (UL) PV WIRE 2000 V DIR BUR OR RHW-2 90° WET OR DRY SUN RES -40°C ROHS MONTH/YEAR SEQ MARKING

Applications:

- Single conductor, sunlight-resistant photovoltaic wire rated for use between -40°C to +90°C, reliability at maximum conductor operating temperature of 90°C in excess of 40 years based on thermal endurance aging on insulation and jacket.
- Rated Voltage (INT): Photovoltaic wire for use on dc side of photovoltaic systems up to 1.5kVdc.
- Rated Voltage (US/CA/MX): Photovoltaic wire for use as interconnection wiring on grounded and ungrounded photovoltaic power systems in accordance with Article 690 of NFPA 70 (NEC).



Features:

- Rated 90°C wet and dry
- UV/sunlight-resistant
- Meets cold bend and cold impact tests at -40°C
- Suitable for direct burial



Compliances:

Industry Compliances:

- UL 4703 PV Wire
- EN 50618 Electric Cables for photovoltaic systems
- RoHS Compliant

Flame Test Compliances:

- UL 2556 FV-1
- EN 60332-1-2 vertical flame

Packaging:

- Material cut to length and shipped on non-returnable wood reels

CATALOG NUMBER	COND. SIZE		COND. STRAND COUNT	NOMINAL COND. O.D.		MINIMUM AVG. INSULATION THICKNESS		MINIMUM AVG. JACKET (SHEATH) THICKNESS		NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT	
	mm ²	AWG		INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	LBS/1000FT	kg/km	LBS/1000FT	kg/km

2,5 mm² (14 AWG) - 10,0 mm² (8 AWG) CONDUCTORS

395400	2.5	14	46	0.079	1.99	0.045	1.14	0.034	0.86	0.2399	6.09	14.11	21.04	36	54
395390	4	12	56	0.101	2.57	0.045	1.14	0.034	0.86	0.2624	6.66	23.67	35.30	50	75
395380	6	10	82	0.122	3.10	0.045	1.14	0.034	0.86	0.2834	7.20	34.67	51.71	66	98
395370	10	8	74	0.157	3.99	0.055	1.40	0.034	0.86	0.3384	8.60	57.78	86.17	94	141

Dimensions and weights are nominal; subject to industry tolerances.



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